

08-06-01

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08/03/01
j1036 U.S. PTO

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

Attorney Docket No.: 1043.002

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

j1036 U.S. PTO
09/22/06
08/03/01

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of:

Inventors: Azzedine Touzni, Raúl A. Casas, Thomas J. Endres, Stephen L. Biracree,
Christopher H. Strolle, and Samir N. Hulyalkar

For: Carrier Phase Estimation Based On Single-Axis Constant Modulus
Cost Criterion And Bussgang Criteria

ENCLOSED ARE:

- ☐ Check in the amount of \$
- ☒ New Application Transmittal (orig. & 2 copies)
- ☒ Unexecuted Combined Declaration and Power of Attorney (3 pages)
- ☐ Recordation Form (PTO-1595) Cover Sheet (1 page)
- ☐ Assignment (pages)
- ☒ Request for Non-Publication and Certification Under
35 U.S.C. 122(b)(2)(B)(i)(1 page)
- ☐ Certified Copy of Priority Document (pages)
- ☒ Patent Application with Informal Drawings (1 Cover Page; 24 Pages of Specification;
7 Pages of Claims; 1 Page of Abstract; 6 Sheet of Drawings)
- ☐ Information Disclosure Statement.

* * * * *

Certification Under 37 CFR 1.10

"Express Mail" Mailing Label No. EL682058955US

Date of Deposit August 3, 2001.

I hereby certify that this paper or fee is being deposited with the United States Postal Service's
"Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above and is
addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Mary E. Caniz
(Name of person mailing)

Mary E. Caniz
(Signature of person mailing)

09922006 "080301"

BENEFIT OF PRIOR FOREIGN APPLICATION (35 USC 119):

- ☐ Not Applicable.
- ☐ In accordance with 35 U.S.C. § 119, applicants hereby claims the benefit of the filing date of a prior foreign application, namely:
- _____ Application No. _____ Filed: _____
- ☐ In support of this claim, a certified copy of the aforementioned application is submitted herewith.

BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION (35 USC 119(e)(i))

- ☐ Not Applicable.
- ☒ In accordance with 35 U.S.C. § 119(e)(i), applicants hereby claim the benefit of the filing date of a prior U.S. provisional application, namely:

U.S. Application No. 60/248,941 Filed: 11/15/00

BENEFIT OF PRIOR U.S. APPLICATION (35 USC 120):

- ☐ Not Applicable.
- ☐ In accordance with 35 U.S.C. § 120, applicants hereby claims the benefit of the filing date of a prior U.S. application, namely:

U.S. Application No. 08/ Filed: _____

ASSIGNMENT:

- ☐ An Assignment of the invention to NxtWave Communications, a Pennsylvania corporation having a mailing address of One Summit Square, Route 413 & Doublewoods Road, Langhorne, Pennsylvania 19047, is enclosed.

INVENTORSHIP STATEMENT:

- ☒ The inventorship for all the claims in this application is the same.
- ☐ The inventorship for all the claims in this application is not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made:
- ☐ is submitted.
- ☐ will be submitted, if necessary under 37 CFR 1.110.

SMALL ENTITY STATUS

☒ Applicant claims small entity status under 37 CFR 1.27.

NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

☒ I hereby certify that the invention disclosed in the attached application **has not and is not currently expected to be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

☒ I hereby request that the attached application **not be** published under 35 U.S.C. 122(b).

CLAIMS AS FILED:

	No. <u>Filed</u>	<u>Basic</u>	No. <u>Extra</u>	Small <u>Entity</u>	Large <u>Entity</u>	Small Entity Basic Fee <u>\$ 355</u>	Large Entity Basic Fee <u>\$ 710</u>
Total Claims:	<u>42-</u>	<u>20 =</u>	<u>22 x</u>	<u>\$ 9</u>	<u>\$ 18 =</u>	<u>\$ 198</u>	<u>\$ 0</u>
Independent Claims:	<u>4-</u>	<u>3 =</u>	<u>1 x</u>	<u>\$ 40</u>	<u>\$ 80 =</u>	<u>\$ 40</u>	<u>\$ 0</u>
Multiple dependent claims:				<u>\$135</u>	<u>\$270 =</u>	<u>\$</u>	<u>\$ 0</u>
Filing Fee Calculation:						<u>\$ 593</u>	<u>\$</u>

FEE PAYMENT BEING MADE AT THIS TIME:

☐ Basic Filing Fees \$
☐ Assignment \$
TOTAL FEES ENCLOSED: \$

METHOD OF PAYMENT OF FEES:

- ☐ A check in the amount of \$ to cover the filing fee.
- ☐ Please charge my Deposit Account No. 50-0782 in the amount of \$. A triplicate copy of this sheet is enclosed.

AUTHORIZATION TO CHARGE ADDITIONAL FEES:

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 50-0782. Two copies of this transmittal are enclosed.

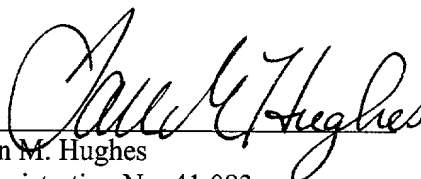
☒ Any additional filing fees required under 37 CFR §1.16 and 37 CFR§1.17.

PLEASE DIRECT ALL CORRESPONDENCE TO:

Steve Mendelsohn
Mendelsohn & Associates, P.C.
1515 Market Street, Suite 715
Philadelphia, Pennsylvania 19102

Respectfully submitted,

Date: August 3, 2001
Customer No. 22186
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Attorney for Applicant
(215) 557-6659

REC-000-90022660



22186

PATENT TRADEMARK OFFICE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Attorney Docket No. 1043.002

In re application of: Azzedine Touzni, Raúl A. Casas, Thomas J. Endres,
Stephen L. Biracree, Christopher H. Strolle and Samir N. Hulyalkar

Serial No.: Not yet assignedGroup No.: Not yet knownFiled: Not yet assignedExaminer: Not yet known

For: Carrier Phase Estimation Based On Single-Axis Constant Modulus
Cost Criterion and Busgang Criteria

REQUEST AND CERTIFICATION UNDER
35 U.S.C. 122(b)(2)(B)(i)

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Respectfully submitted,

Date: August 3, 2001
Customer No. 22186
Mendelsohn & Associates, P.C.
1515 Market Street, Suite 715
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Attorney for Applicant
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Certification Under 37 CFR 1.8

Date of Deposit August 3, 2001.

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail under 37 CFR 1.8 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Mary E. Caniz
(Name of person mailing)

Mary E. Caniz
(Signature of person mailing)

09922006-03022660